

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-2. (Canceled).

3. (Currently Amended) A perforation gun having an outer gun barrel (1), arranged in ~~the~~ an interior of which ~~there are~~ perforators (10) that can be ignited by ~~way of~~ a fuse (11) leading through the gun barrel (1) and after ignition pierce the gun barrel (1) at penetration holes (13), wherein means ~~are provided for automatically closing the penetration holes (13)~~ are provided, and ~~these~~ the means comprise a sliding tube (4) ~~which can be displaced by means of an adjusting arrangement by at least the diameter of the penetration hole (13)~~ holes after the penetration being pierced, characterised in that the sliding tube (4) is arranged coaxially between the perforators (10) and the gun barrel (1).

4. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) is fixed in ~~its~~ a starting position by ~~way of~~ a securing element (7) that breaks up after ignition of the fuse (11) and enables the displacement of the sliding tube (4).

5. (Previously Presented) A perforation gun according to claim 3, characterised in that the adjusting arrangement is a tensioned spring.

6. (Currently Amended) A perforation gun according to claim 3, characterised in that the adjusting arrangement is a pyrotechnic element ~~that can be ignited by means of the fuse (11)~~.

7. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) is closed on ~~the side to~~ an end facing a direction in which it ~~the sliding tube~~ is to be displaced and is open on ~~the other side~~ an opposite end, and as a result can be displaced like a plunger by ~~means of the pressure building up as a result of the ignition of the perforators~~ (10).

8. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) has a wall thickness that permits radial expansion and ~~thus fixation in the gun barrel (1) after the sliding tube (4) has been displaced as a result of the pressure that has built up in the gun barrel (1) after the ignition of the perforators~~ (10).

9. (Currently Amended) A perforation gun according to claim 3, characterised in that a fluid is ~~arranged~~ disposed between the sliding tube (4) and the gun barrel (1).